

Mountain Valley Pipeline, LLC

v.

Easements to Construct, etc., et al.

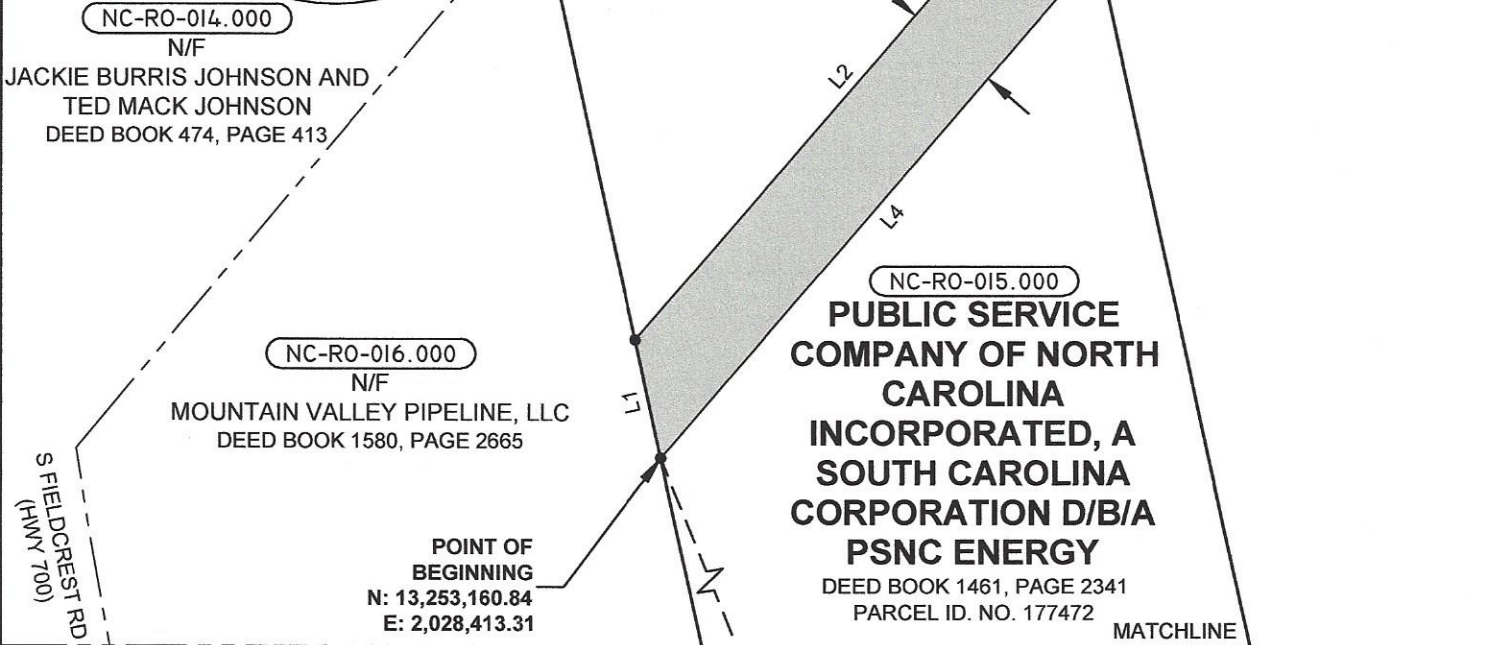
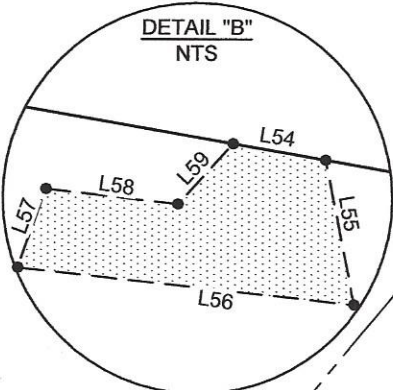
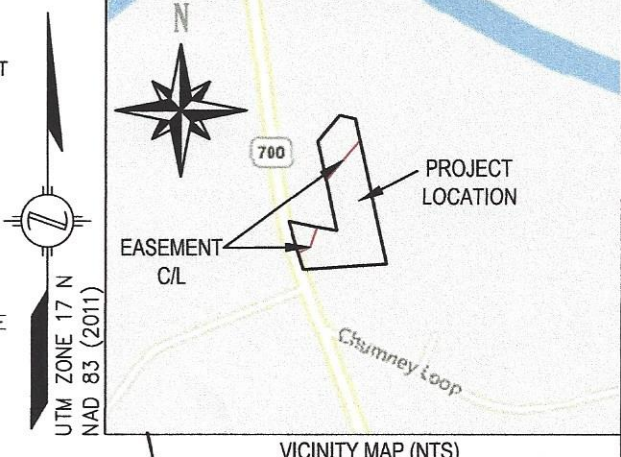
Exhibit 50 to Complaint

Map of MVP Parcel No. NC-RO-015.000

NOTES

- 1. ALL DISTANCES SHOWN HEREON ARE HORIZONTAL GRID DISTANCES, A PROJECT SCALE FACTOR (PSF) OF 0.99979557 WAS ESTABLISHED FOR THIS PROJECT. TO OBTAIN GROUND DISTANCE, DIVIDE THE DISTANCE SHOWN BY THE PSF.
- 2. AREAS DETERMINED BY COORDINATE METHOD.
- 3. AREAS SHOWN ARE SUBJECT TO EASEMENT OF RECORD.
- 4. RECORD REFERENCES: DEED BOOK 1461, PAGE 2341
- 5. PARCEL ID: 177472
- 6. PROPERTY LINES SHOWN ARE BASED ON EXISTING DEEDS, PLATS AND VISIBLE MONUMENTATION DISCOVERED ALONG PROJECT AREA.
- 7. THIS SURVEY IS REFERENCED TO THE UTM ZONE 17 N NAD 83 (2011).
- 8. ALL CORNERS ARE AS NOTED.
- 9. THIS PLAT IS FOR EASEMENT ACQUISITION PURPOSES ONLY AND IS NOT TO BE CONSIDERED A BOUNDARY SURVEY OF THE PARENT TRACT.
- 10. TEMPORARY EASEMENT TO BE ACQUIRED.

EXHIBIT A



- LEGEND
- NGS MONUMENT
 - EIP EXISTING IRON PIPE OR PIN
 - CP COMPUTED POINT
 - LINE NOT TO SCALE
 - PERMANENT ACCESS ROAD
 - TEMPORARY ACCESS ROAD
 - PERMANENT EASEMENT
 - TEMPORARY WORKSPACE
 - ADDITIONAL TEMPORARY WORKSPACE (A.T.W.S.)
 - POSSIBLE TEMPORARY WORKSPACE



NGS MONUMENT BARNES
N: 13,216,335.22
E: 2,040,358.17
CSF = 0.99974929

N62°37'14"E
2,755.53' GRID

POINT OF BEGINNING
N: 13,253,160.84
E: 2,028,413.31

N22°02'06"W
38,360.42' GRID

NGS MONUMENT SHILOH
N: 13,217,602.44
E: 2,042,805.03
CSF = 0.99975126

	sq. ft.	acres
TOTAL AREA OF PERMANENT EASEMENT:	30,538±	0.70 ACRES
AREA OF TEMPORARY WORKSPACE:	4,916±	0.11 ACRES
AREA OF ADDITIONAL TEMPORARY WORKSPACE:	42,336±	0.97 ACRES
AREA OF TEMPORARY ACCESS ROAD:	5,113±	0.12 ACRES
AREA OF PERMANENT ACCESS ROAD:	6,092±	0.14 ACRES
CENTERLINE OF EASEMENT:	585±	35.46±

I, Thomas Warner Kimmel, certify that this plat is of a PERMANENT EASEMENT for a public utility as defined in GS 62-3; that this plat is drawn under my supervision from an actual survey performed under my supervision (deed description recorded in deed book 1461, page 2341); that the ratio of precision as calculated is 1:10,000±; that the Global Positioning System (GPS) observations were performed to the Geospatial Positioning Accuracy Standards, Part 2: Standards for Geodetic Networks at the Class "A" accuracy classification (95% confidence) using RTK/VRS networks and traditional traverses.

That this plat meets the requirements of G.S. 47-30 section (f)(11)(c).

This 24th day of AUGUST, 2019,
Thomas Warner Kimmel
THOMAS WARNER KIMMEL, PLS L-3674

TRC ENGINEERS, INC
21 GRIFFIN ROAD NORTH
WINDSOR, CT 06095
PH: (724) 749-8572 tkimmel@trcsolutions.com
NC CORPORATE LICENSE No. F-0591

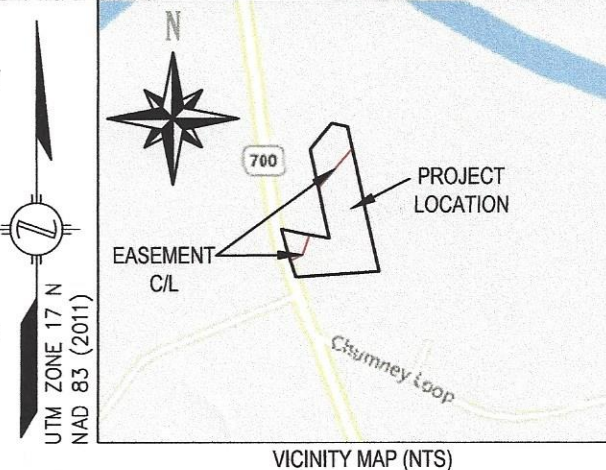
LAND OWNER INITIALS: _____
DATE: _____

EASEMENT SURVEY FOR MVP SOUTHGATE TOWNSHIP OF WENTWORTH ROCKINGHAM COUNTY, NORTH CAROLINA				
PIPELINE EASEMENT IN PROPERTY OF PUBLIC SERVICE COMPANY OF NORTH CAROLINA INCORPORATED, A SOUTH CAROLINA CORPORATION D/B/A PSNC ENERGY NC-RO-015.000 DEED BOOK 1461, PAGE 2341				
NC-RO-015.000				
Drawn By: JCL	Chk'd By: DD	App'd By: TWK	TRC Proj. No. 300423	Scale: 1"=100'
Drawn Date: 10/27/18			Sheet 1 OF 3	MVP Proj. No.
100 50 0 100 GRAPHIC SCALE IN FEET				
REVISIONS				
C	3/20/19		REVISED OWNER	
D	6/20/19		REVISED WORKSPACES	
1	8/17/20	DD	GENERAL REVISIONS	TWK
No.	Date	Rev By	Description	Checked

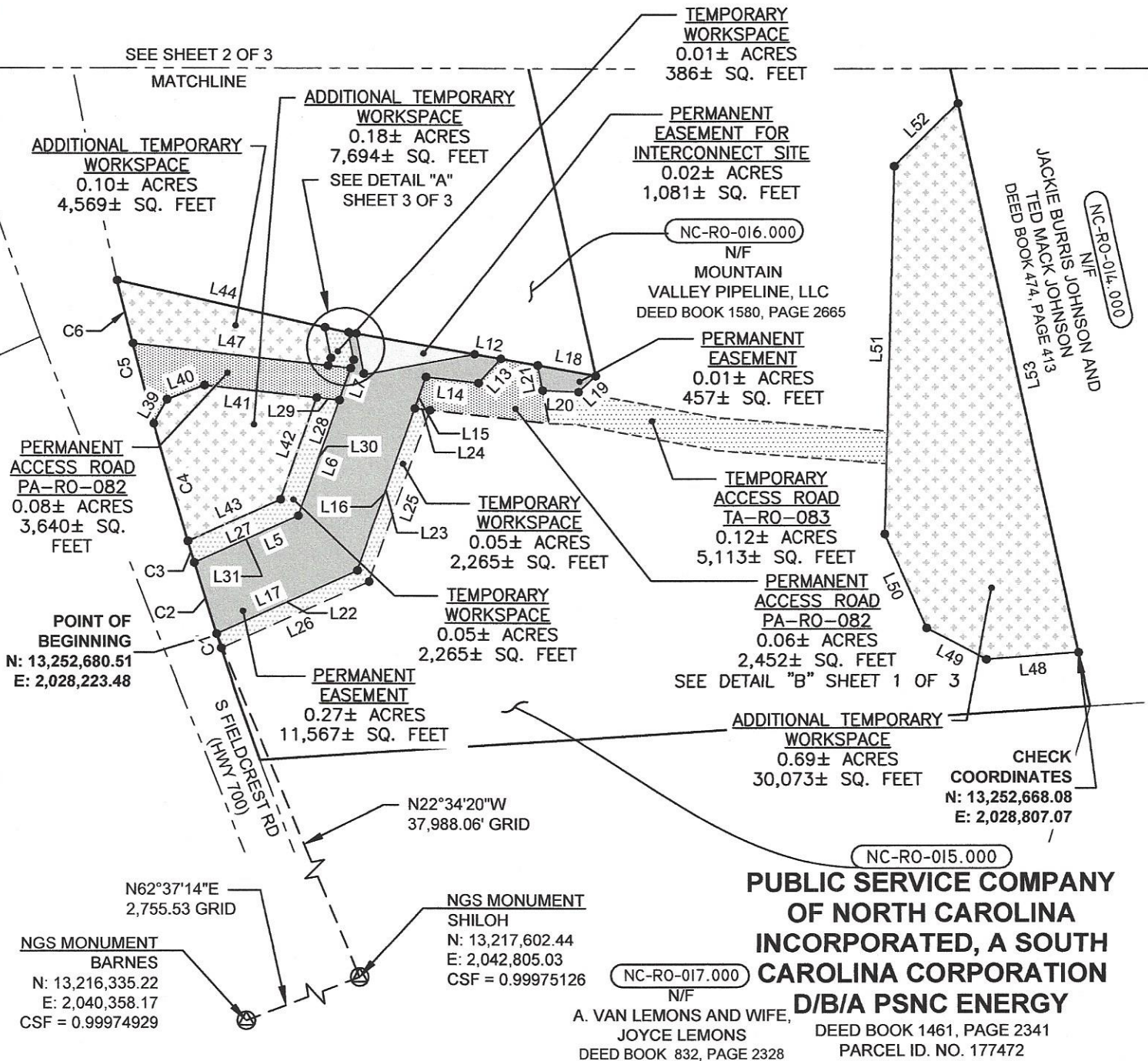
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10. TEMPORARY EASEMENT TO BE ACQUIRED.



VICINITY MAP (NTS)



**PUBLIC SERVICE COMPANY
OF NORTH CAROLINA
INCORPORATED, A SOUTH
CAROLINA CORPORATION
D/B/A PSNC ENERGY**

A. VAN LEMONS AND WIFE,
JOYCE LEMONS
DEED BOOK 832, PAGE 2328

DEED BOOK 1461, PAGE 2341
PARCEL ID. NO. 177472

- LEGEND**
- NGS MONUMENT
 - EXISTING IRON PIPE OR PIN
 - COMPUTED POINT
 - LINE NOT TO SCALE
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 - TEMPORARY WORKSPACE
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 - POSSIBLE TEMPORARY WORKSPACE

SEE SHEET 1 FOR THE LAND SURVEYOR'S CERTIFICATION.



LAND OWNER
INITIALS: _____
DATE: _____

SEE SHEET 3 OF 3 FOR LINE TABLES & DETAIL

EASEMENT SURVEY FOR MVP SOUTHGATE TOWNSHIP OF WENTWORTH ROCKINGHAM COUNTY, NORTH CAROLINA				
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NC-RO-015.000				
Drawn By: JCL	Chk'd By: DD	App'd By: TWK	TRC Proj. No. 300423	Scale: 1"=100'
Drawn Date: 10/27/18			Sheet 2 OF 3	MVP Proj. No.
100 50 0 100 GRAPHIC SCALE IN FEET				
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D	6/20/19		REVISED WORKSPACES	
1	8/17/20	DD	GENERAL REVISIONS	TWK
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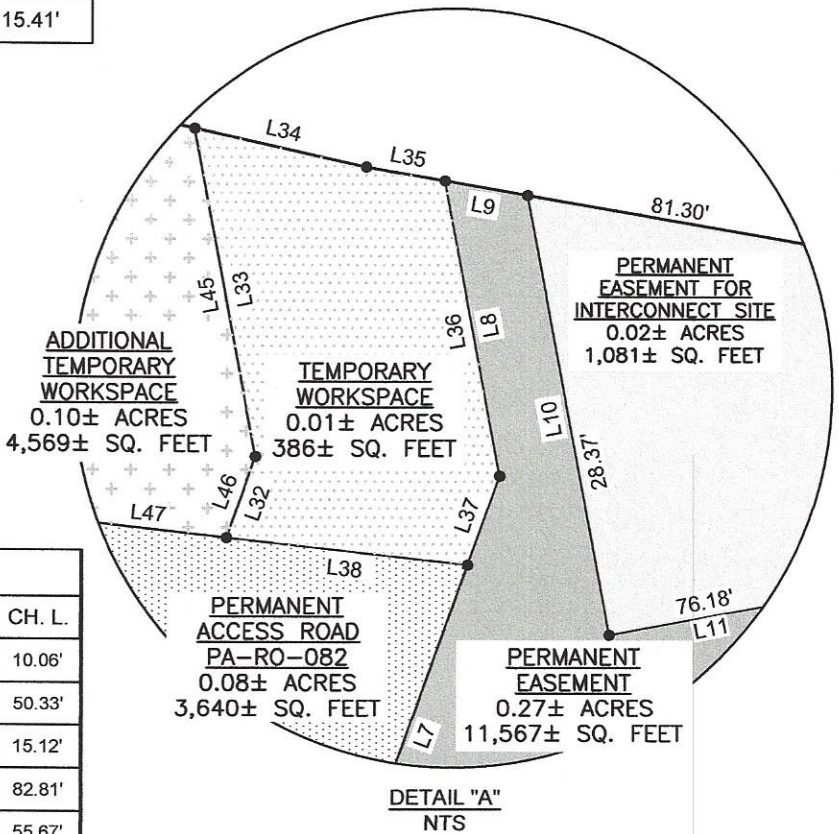
EXHIBIT A

PERMANENT EASEMENT		
LINE TABLE		
LINE	BEARING	DISTANCE
L1	N12°21'50"W	62.50'
L2	N40°45'56"E	348.65'
L3	S12°22'40"E	62.49'
L4	S40°45'56"W	348.67'
L5	N65°51'57"E	77.11'
L6	N19°39'25"E	77.55'
L7	N19°39'21"E	34.25'
L8	N10°36'26"W	19.02'
L9	S80°09'39"E	5.34'
L10	S10°36'26"E	28.37'
L11	N79°24'57"E	76.18'
L12	S80°09'39"E	18.13'
L13	S42°39'32"W	22.13'
L14	N83°32'33"W	35.95'
L15	S19°39'25"W	28.87'
L16	S19°39'25"W	109.98'
L17	S65°51'57"W	104.22'
L18	S80°09'39"E	39.92'
L19	S46°59'31"W	15.96'
L20	N87°46'54"W	24.38'
L21	N11°08'22"W	17.09'

TEMPORARY WORKSPACE		
LINE TABLE		
LINE	BEARING	DISTANCE
L22	N65°51'57"E	104.22'
L23	N19°39'25"E	116.32'
L24	S83°47'38"E	10.28'
L25	S19°39'25"W	122.98'
L26	S65°51'57"W	109.54'
L27	N65°51'57"E	68.82'
L28	N19°39'24"E	73.04'
L29	S83°47'37"E	15.42'
L30	S19°39'25"W	83.03'
L31	S65°51'57"W	77.11'
L32	N19°39'24"E	5.47'
L33	N10°36'26"W	21.15'
L34	S77°18'05"E	11.16'
L35	S80°09'37"E	5.07'
L36	S10°36'27"E	19.02'
L37	S19°39'26"W	6.01'
L38	N83°32'33"W	15.41'

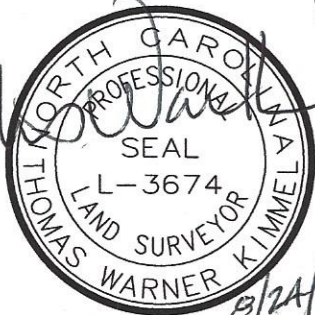
ADDITIONAL TEMPORARY WORKSPACE		
LINE TABLE		
LINE	BEARING	DISTANCE
L39	N28°56'27"E	18.35'
L40	N69°23'24"E	27.16'
L41	S83°47'38"E	76.46'
L42	S19°39'24"W	73.04'
L43	S65°51'57"W	68.82'
L44	S77°18'05"E	144.32'
L45	S10°36'26"E	21.15'
L46	S19°39'24"W	5.47'
L47	N83°32'33"W	133.09'
L48	S85°39'51"W	62.58'
L49	N62°08'03"W	45.55'
L50	N24°13'57"W	69.43'
L51	N01°30'49"E	248.67'
L52	N45°37'57"E	60.48'
L53	S12°22'40"E	379.57'

PERMANENT ACCESS ROAD		
LINE TABLE		
LINE	BEARING	DISTANCE
L54	S80°09'39"E	25.39'
L55	S11°08'23"E	39.75'
L56	N83°47'38"W	91.53'
L57	N19°39'24"E	22.53'
L58	S83°32'33"E	35.95'
L59	N42°39'32"E	22.13'



CURVE TABLE					
CURVE #	ARC LENGTH	RADIUS	DELTA	CH. B.	CH. L.
C1	10.06'	3,186.33'	000°10'51"	N18°05'21"W	10.06'
C2	50.33'	3,186.33'	000°54'18"	N17°32'47"W	50.33'
C3	15.12'	3,186.33'	000°16'19"	N16°57'28"W	15.12'
C4	82.82'	3,186.33'	001°29'21"	N16°04'38"W	82.81'
C5	55.67'	3,186.33'	001°00'04"	N14°49'56"W	55.67'
C6	44.00'	3,186.33'	000°47'28"	N13°56'10"W	44.00'

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SEE SHEET 1 & 2 OF 3 FOR GRAPHICS AND LABELS

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NC-RO-015.000			
Drawn By: JCL	Chk'd By: DD	App'd By: TWK	Scale: NTS
Drawn Date: 10/27/18			Sheet: 3 OF 3
REVISIONS			
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